

IN THE SPECIFICATION:

Please amend the specification as follows:

On page 14, line 26, after "DNA sequence", insert --(SEQ ID NO:52)--.

On page 14, line 30, after "DNA sequence", insert --(SEQ ID NO:53)--.

On page 14, line 34, after "DNA sequence", insert --(SEQ ID NO:54)--.

On page 15, line 1, after "DNA sequence", insert --(SEQ ID NO:55)--.

On page 15, line 5, after "DNA", insert --(SEQ ID NO:57)--.

On page 15, line 5, after "amino acid", insert --(SEQ ID NO:56)--.

On page 15, line 7, after "DNA", insert --(SEQ ID NO:58)--.

On page 15, line 7, after "amino acid", insert --(SEQ ID NO:59)--.

On page 15, line 9, after "DNA", insert --(SEQ ID NO:61)--.

On page 15, line 9, after "amino acid", insert --(SEQ ID NO:60)--.

On page 15, line 11, after "DNA", insert --(SEQ ID NO:62)--.

On page 15, line 11, after "amino acid", insert --(SEQ ID NO:63)--.

On page 15, line 13, after "DNA", insert --(SEQ ID NO:64)--.

On page 15, line 13, after "amino acid", insert --(SEQ ID NO:65)--.

On page 15, line 15, after "DNA", insert --(SEQ ID NO:66)--.

On page 15, line 15, after "amino acid", insert --(SEQ ID NO:67)--.

On page 40, Table 1, after "rchd005", under the heading "Seq. ID #",
insert --SEQ ID NO:52--.

On page 40, Table 1, after "rchd024", under the heading "Seq. ID #",
insert --SEQ ID NO:53--.

On page 40, Table 1, after "rchd032", under the heading "Seq. ID #",
insert --SEQ ID NO:54--.

On page 40, Table 1, after "rchd036", under the heading "Seq. ID #",
insert --SEQ ID NO:55--.

On page 40, Table 1, after "rchd502", under the heading "Seq. ID #",
insert --SEQ ID NOS:56 and 57--.

On page 40, Table 1, after "rchd523", under the heading "Seq. ID #",
insert --SEQ ID NOS:58 and 59--.

On page 40, Table 1, after "rchd528", under the heading "Seq. ID #",
insert --SEQ ID NOS:60 and 61--.

On page 40, Table 1, after the second occurrence of "rchd534", under the
heading "Seq. ID #", insert --SEQ ID NOS:62 and 63--.

On page 40, Table 1, after "rchd534 - long", under the heading "Seq. ID
#", insert --SEQ ID NOS:64 and 65--.

On page 40, Table 1, after "rchd540", under the heading "Seq. ID #",
insert --SEQ ID NOS:66 and 67--.

On page 128, line 11, after "catgcctgtagaaaaaggtt", insert --; SEQ ID
NO:1--.

On page 128, line 11, after "/rev-cttcatagaatctaagccta", insert --; SEQ ID
NO:2--.

On page 128, line 12, after "cctgatagatgggcactgtgt", insert --; SEQ ID
NO:3--.

On page 128, line 13, after "gaacacggcattgtcactaact", insert --; SEQ ID
NO:4--.

On page 132, line 34, after "for-cccatagactaggctcatag", insert --(SEQ ID
NO:5)--.

✓
NO:6)---. On page 132, line 35, after "tttaaagagaaattcaaadc", insert --(SEQ ID

✓
NO:7)---. On page 139, line 6, after "for-atgccgtgtgggtagtc", insert --; SEQ ID

✓
NO:8)---. On page 139, line 7, after "rev-attttatgggaaggtttttaca", insert --; SEQ ID

✓
NO:10)---. On page 139, line 8, after "ctttctgcgtctcccat", insert --; SEQ ID NO: 9)---.
On page 139, line 8, after "rev-agacatcagaaactccaacc", insert --; SEQ ID

✓
NO:11)---. On page 148, line 4, after "DEARKLEEAKSRGSL", insert --(SEQ ID

✓
NO:12)---. On page 148, line 5, after "SSIHPQSPACRRDCS", insert --(SEQ ID

✓
NO:13)---. On page 148, line 6, after "RVKKNKEYNVQKAA", insert --(SEQ ID

✓
NO:14)---. On page 148, line 8, after "RAHRHRGLRPRRQKAL", insert --(SEQ ID

✓
NO:15)---. On page 148, line 9, after "IDPSTEQSDVRFS", insert --(SEQ ID

✓
ID NO:16)---. On page 148, line 11, after "SPYAEYPKNPRSQEWGRE", insert --(SEQ

✓
NO:17)---. On page 148, line 12, after "NPSFISDESRRRDYF", insert --(SEQ ID

NO:18)---. On page 148, line 15, after "EFSDASMSPDATKPSH", insert --(SEQ ID

On page 148, line 16, after "LEQRSESVRRTRSK", insert --(SEQ ID NO:19)--.

On page 148, line 17, after "RSGQLQHAPEPDAADGP", insert --(SEQ ID NO:20)--.

On page 162, line 29, after "Pair 1: A)", delete "5'-GAGGCTGCGGCCGCTCCGAAGTCC-3'" and insert in its place

a --5'-GAGGCTGCGGCCGCTCCGAAGTCC-3' (SEQ ID NO:21)--.

On page 162, line 30, after "5'-CTCCGCGGGGCGCCACTATCT-3'", insert --(SEQ ID NO:22)--.

a2 On page 162, line 31, after "5'-CCGGGACGCAGTGGGACAG-3'", insert --(SEQ ID NO:23)--.

On page 162, line 32, after "5'-CGGGGAGTTGACGAAGATGG-3'", insert --(SEQ ID NO:24)--.

On page 165, line 12, after "5'-CATTTTCATTTTCATACAA-3'", insert --(SEQ ID NO:25)--.

On page 165, line 14, after "5'-CATTTTCATTTTCATACAATATATG-3'", insert --(SEQ ID NO:26)--.

On page 165, line 16, after "5'-CATTTTCATTTTCATACAATATATGGCCTTT-3'", insert --(SEQ ID NO:27)--.

On page 165, line 18, after "5'-CATTTTCATTTTCATACAATATATGGCCTTTTGTGGC-3'", insert --(SEQ ID NO:28)--.

On page 165, line 20, after "5'-GGACATTTTCATTTTCATACAATATATGGCCTTTTGT-3'", insert --(SEQ ID NO:29)--.

On page 165, line 22, after "5'-TTCATTTTCATACAATATATGGCCTTTTGT-3'", insert --(SEQ ID NO:30)--.

On page 165, line 24, after "5'-TCATACAATATATGGCCTTTTGT-3'",
insert --(SEQ ID NO:31)--.

On page 165, line 26, after "5'-AATATATGGCCTTTTGT-3'", insert
--(SEQ ID NO:32)--.

On page 166, line 3, after "5'-CATACGATATCCTTTGGCGCCAGGGG-
3'", insert --(SEQ ID NO:33)--.

On page 166, line 5, after "5'-
GGACCTGAACATACGATAGCCTTTGGCGCCAGGGG-3'", insert --(SEQ ID
NO:34)--.

On page 166, line 7, after "5'-
CATACGATATCCTTTGGCGCCAGGGGTGGGGGG-3'", insert --(SEQ ID NO:35)--.

On page 166, line 11, after "5'-CATGCGGGGCGAGGAGG-3'", insert
--(SEQ ID NO:36)--.

On page 166, line 13, after "5'-CATGCGGGGCGAGGAGGCGAGGA-3'",
insert --(SEQ ID NO:37)--.

On page 166, line 15, after "5'-
CATGCGGGGCGAGGAGGCGAGGAGAAAAG-3'", insert --(SEQ ID NO:38)--.

On page 166, line 18, after "5'-
CATGCGGGGCGAGGAGGCGAGGAGAAAAGTCGTTT-3'", insert --(SEQ ID
NO:39)--.

On page 166, line 21, after "5'-
GAACATGCGGGGCGAGGAGGCGAGGAGAAAAGTCG-3'", insert --(SEQ ID
NO:40)--.

On page 166, line 24, after "5'-
GCGGGGCGAGGAGGCGAGGAGAAAAGTCG-3'", insert --(SEQ ID NO:41)--.

On page 167, line 1, after "5'-CGAGGAGGCGAGGAGAAAAGTCG-3'",
insert --(SEQ ID NO:42)--.

On page 167, line 3, after "5'-GGCGAGGAGAAAAGTCG-3'", insert
--(SEQ ID NO:43)--.

On page 167, line 8, after "5'-CAAAGCNGNXXXXNCNGAGNAGUC-
3'", insert --(SEQ ID NO:44)--.

On page 167, line 27, after "GCAAGGUGGGCACUCAGGUGGG-3'",
insert --(SEQ ID NO:45)--.

On page 167, line 31, after "UUUCAUUUCAUAC-3'", insert --(SEQ ID
NO:46)--.

On page 168, line 7, after
"GUCCAUGCCGAAGCCGAUCUUGCUGCGCG-3'", insert --(SEQ ID NO:47)--.

On page 168, line 15, after "GAGCGTTTGGACCTG-3'", insert --(SEQ
ID NO:48)--.

On page 168, line 20, after "UUCUUUGUGAGUCGGGCGCCG-3'",
insert --(SEQ ID NO:49)--.

On page 168, line 24, after
"NAGUCCGGGGCGAGGAGGCGAGGAGAAAAGUCG-3'", insert --(SEQ ID
NO:50)--.

On page 168, line 28, after
"AGUCAGUCGGCUAAGGUGAUGGGGUUGCAGCACACC-3'", insert --(SEQ ID
NO:51)--.